

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122220\
 Data File : VX020303.D
 Acq On : 22 Dec 2020 15:06
 Operator : JC/MD
 Sample : L5123-03DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20201211DL

Quant Time: Dec 23 00:31:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

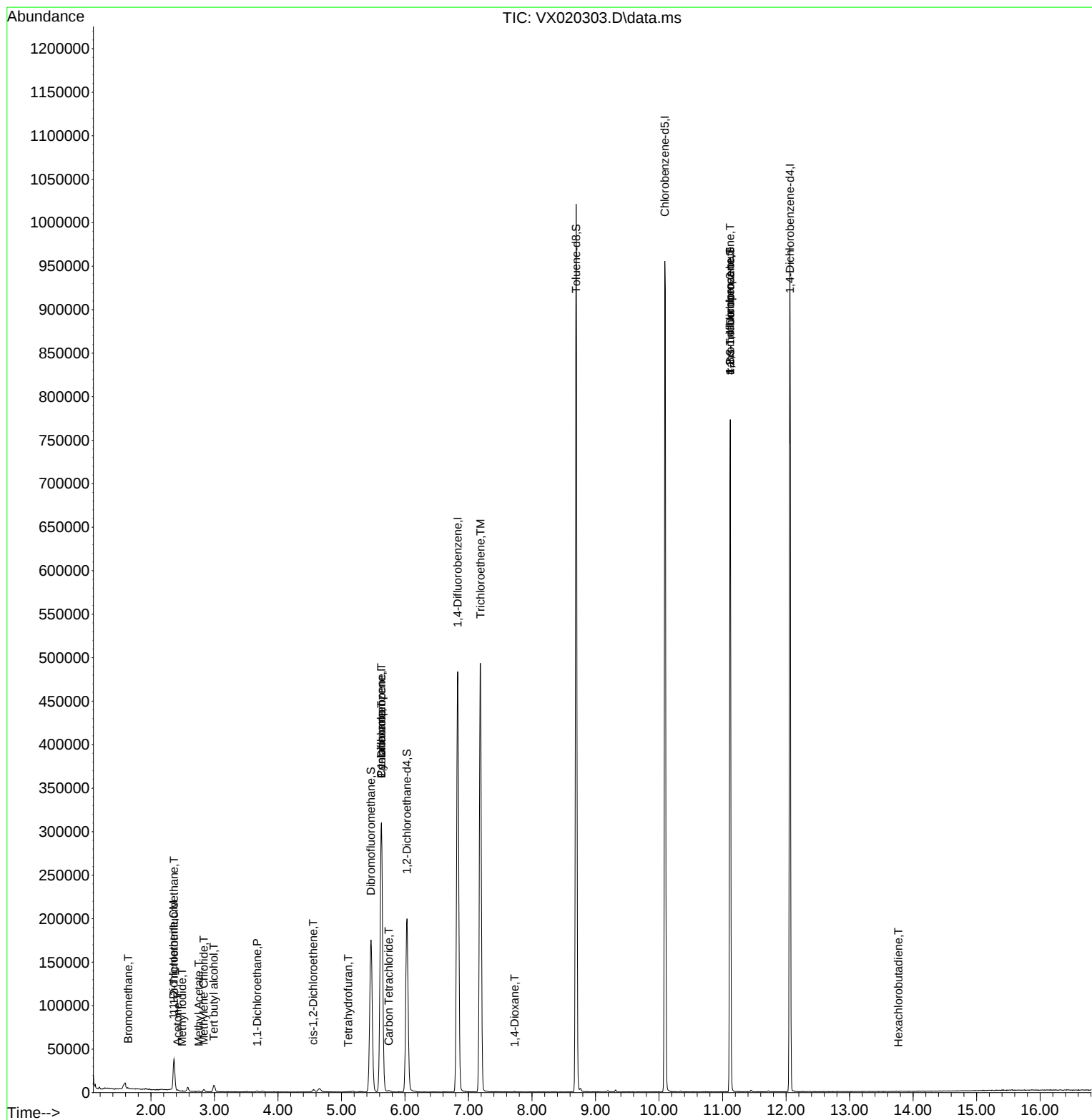
Internal Standards						
1) Pentafluorobenzene	5.629	168	298791	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	496025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	458868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	196997	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	189896	47.41	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.82%
35) Dibromofluoromethane	5.464	113	153127	48.26	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.52%
50) Toluene-d8	8.695	98	602227	49.31	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.62%
62) 4-Bromofluorobenzene	11.122	95	213426	45.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.32%
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	575	0.44	ug/l #	67
9) 1,1,2-Trichlorotrifluo...	2.361	101	9827	3.29	ug/l	99
10) Methyl Iodide	2.489	142	210	3.33	ug/l #	42
11) Tert butyl alcohol	2.989	59	4510	5.03	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	4700	1.54	ug/l	94
16) Acetone	2.416	43	1047	0.57	ug/l	96
18) Methyl Acetate	2.751	43	1020	0.25	ug/l #	82
20) Methylene Chloride	2.831	84	1106	0.27	ug/l	89
24) 1,1-Dichloroethane	3.672	63	1480	0.23	ug/l #	81
27) cis-1,2-Dichloroethene	4.556	96	1693	0.41	ug/l	97
29) Tetrahydrofuran	5.105	42	488	0.29	ug/l #	61
31) Cyclohexane	5.629	56	6168	1.12	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	23246	4.74	ug/l #	48
38) Carbon Tetrachloride	5.745	117	1331	0.29	ug/l	98
44) Trichloroethene	7.190	130	195996	49.69	ug/l	100
49) 1,4-Dioxane	7.726	88	341	3.70	ug/l #	79
76) 1,2,3-Trichloropropane	11.122	75	104095	21.45	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	104095	63.64	ug/l #	12
94) Hexachlorobutadiene	13.768	225	40	2.66	ug/l #	19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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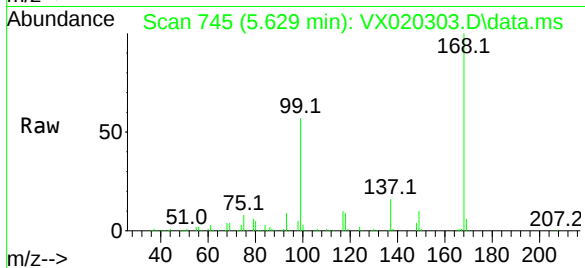
Quant Time: Dec 23 00:31:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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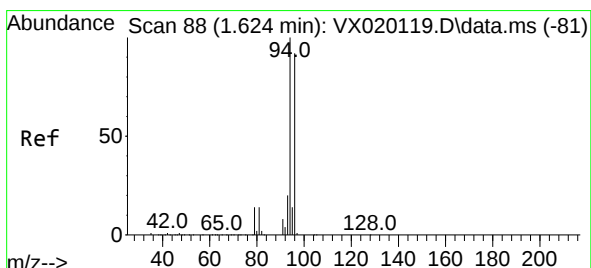
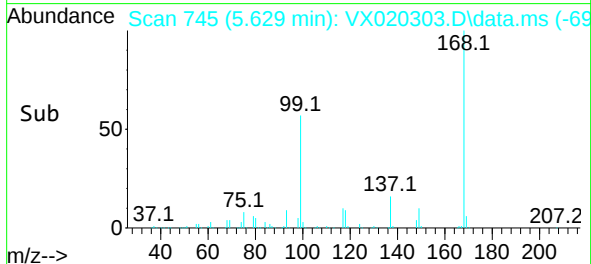
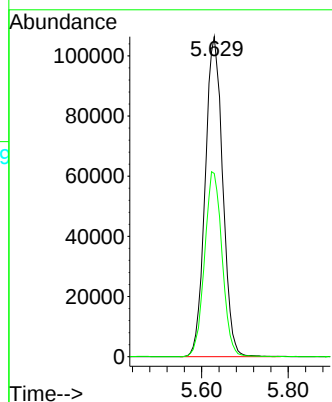


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211DL

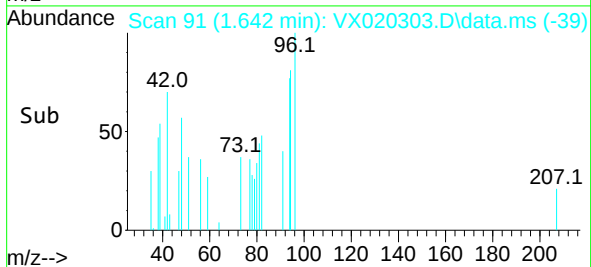
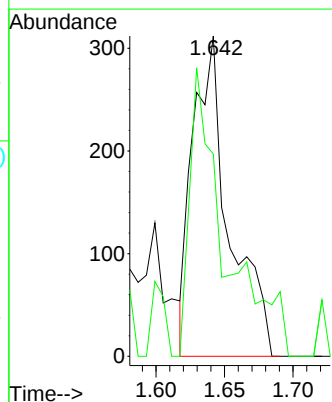
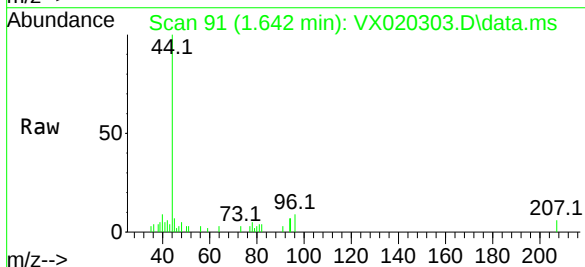


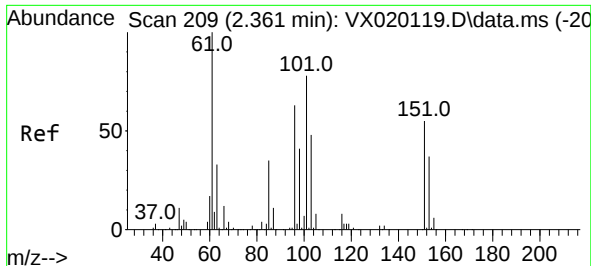
Tgt Ion:168 Resp: 298791
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#5
Bromomethane
Concen: 0.44 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion: 94 Resp: 575
Ion Ratio Lower Upper
94 100
96 63.1 76.4 114.6#

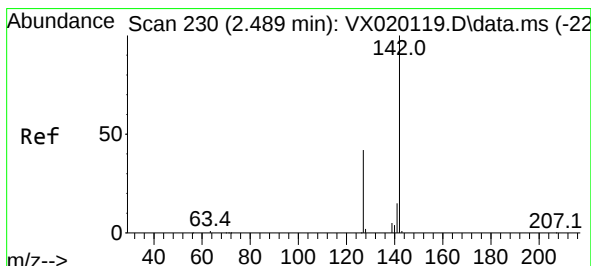
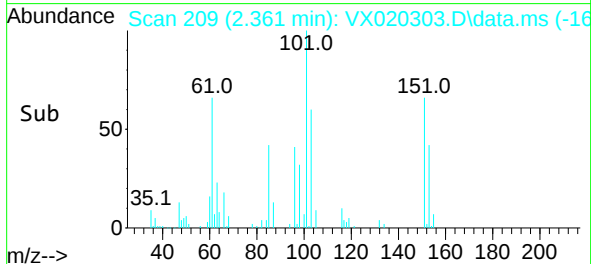
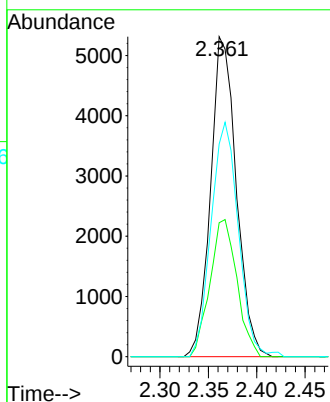
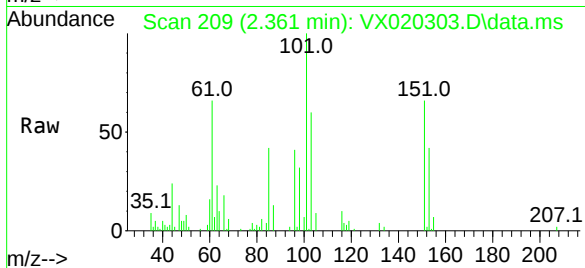




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.29 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

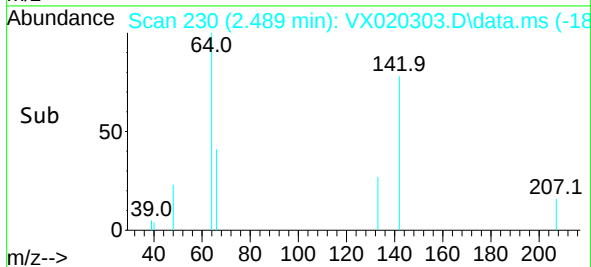
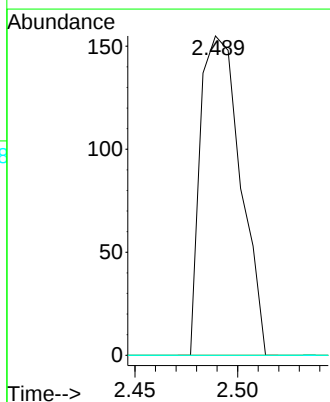
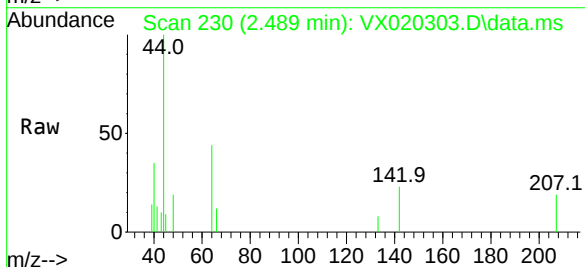
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211DL

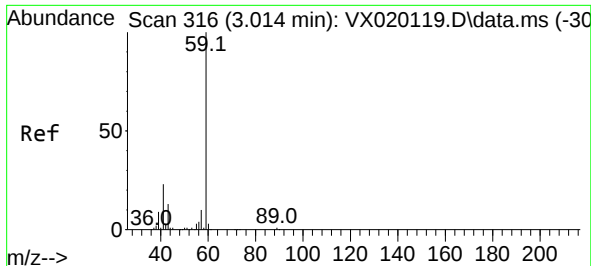
Tgt Ion:	101	Resp:	9827
Ion	Ratio	Lower	Upper
101	100		
85	44.9	34.9	52.3
151	77.5	61.4	92.2



#10
Methyl Iodide
Concen: 3.33 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion:	142	Resp:	210
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.3	49.9#
141	0.0	11.4	17.0#

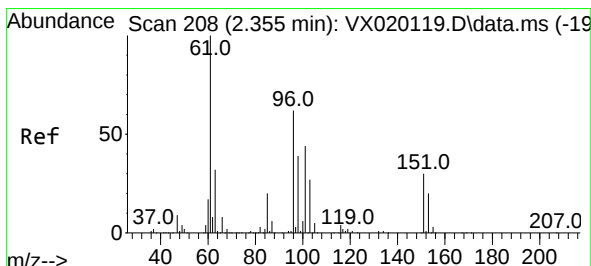
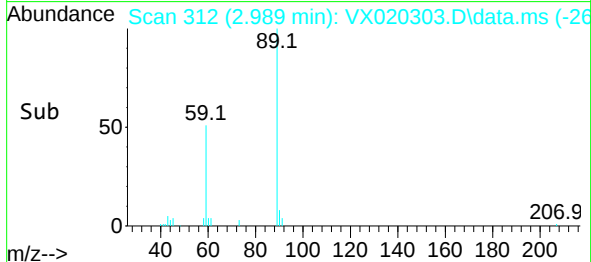
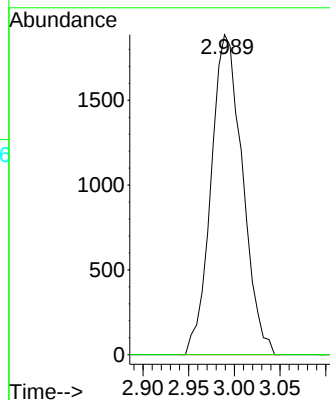
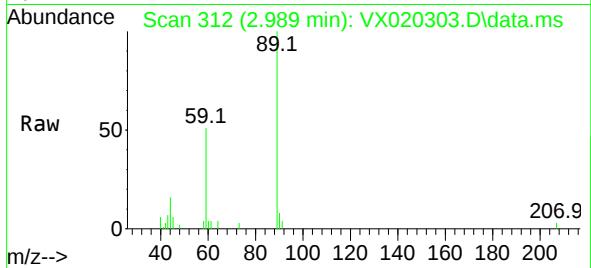




#11
Tert butyl alcohol
Concen: 5.03 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

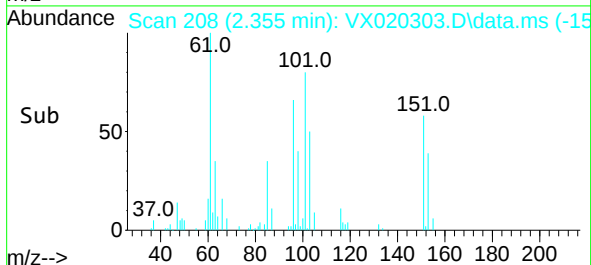
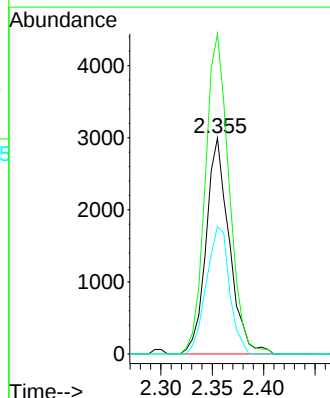
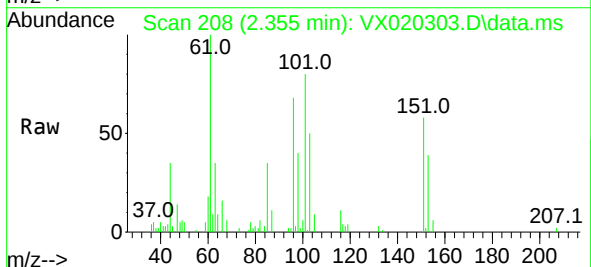
Instrument :
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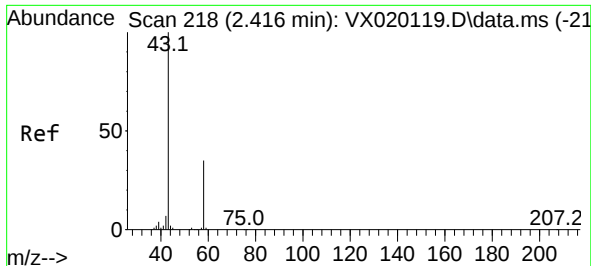
Tgt Ion: 59 Resp: 4510
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 1.54 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion: 96 Resp: 4700
Ion Ratio Lower Upper
96 100
61 148.1 124.6 187.0
98 58.9 50.6 76.0

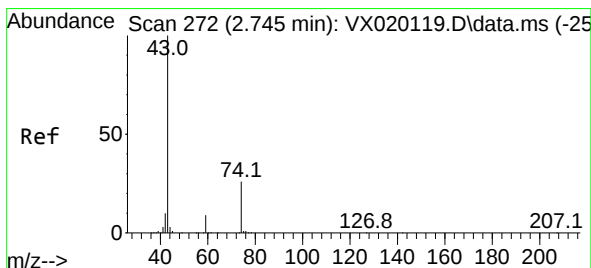
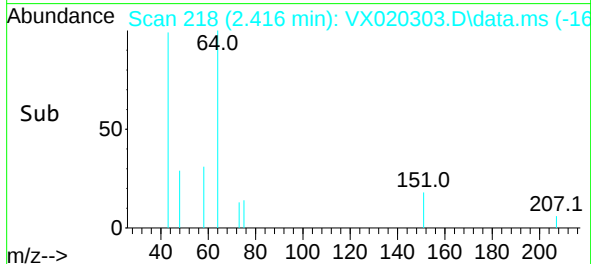
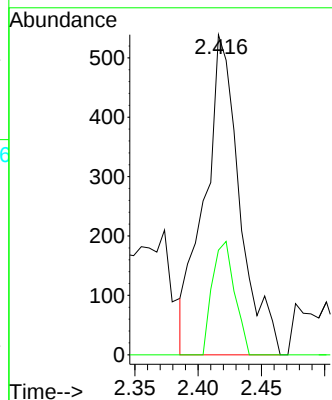
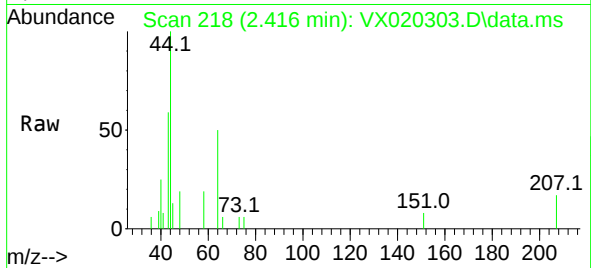




#16
Acetone
Concen: 0.57 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

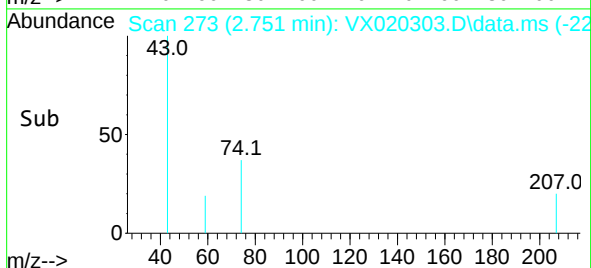
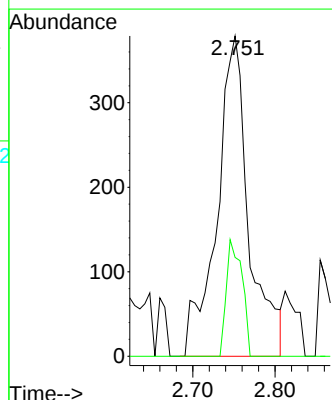
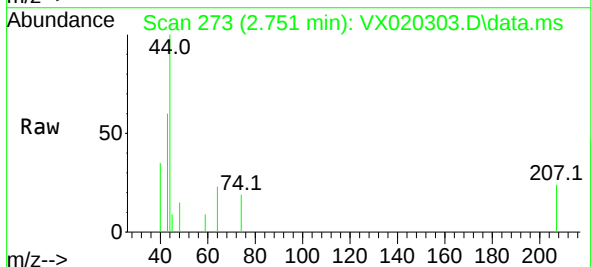
Instrument :
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ClientSampleId :
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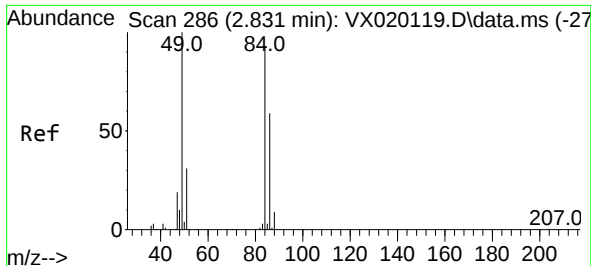
Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 32.7 27.8 41.8



#18
Methyl Acetate
Concen: 0.25 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion: 43 Resp: 1020
Ion Ratio Lower Upper
43 100
74 17.9 21.9 32.9#

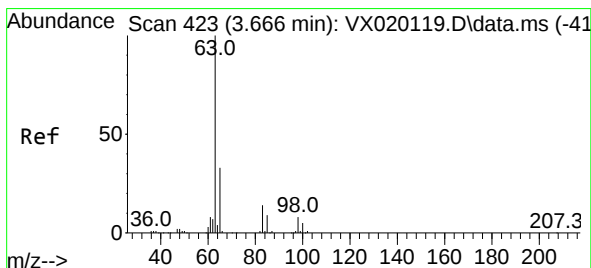
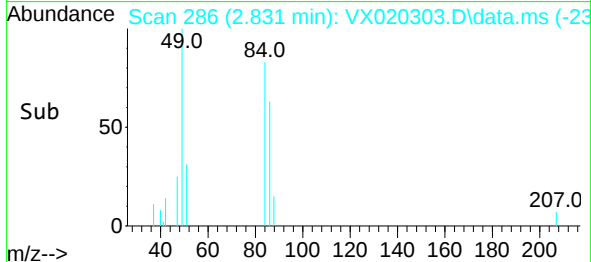
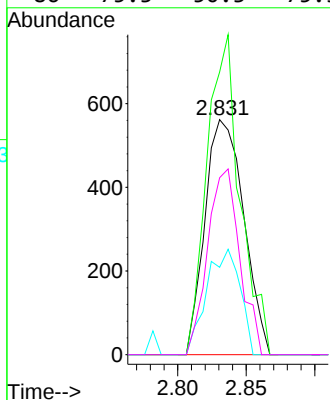
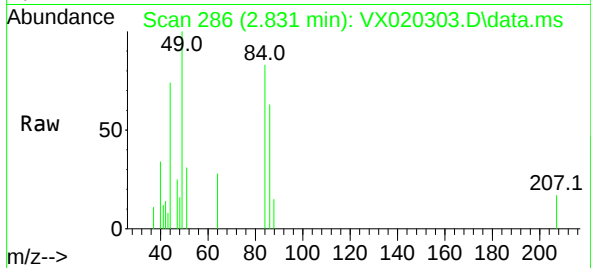




#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

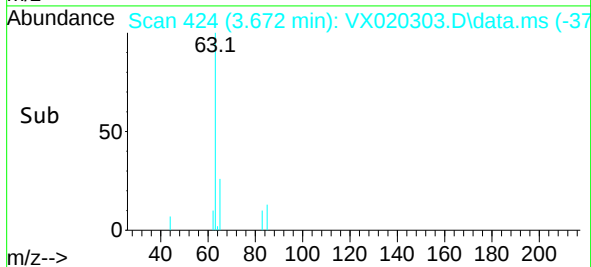
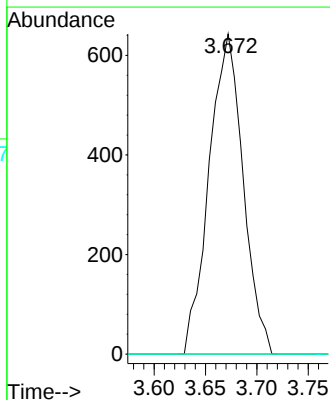
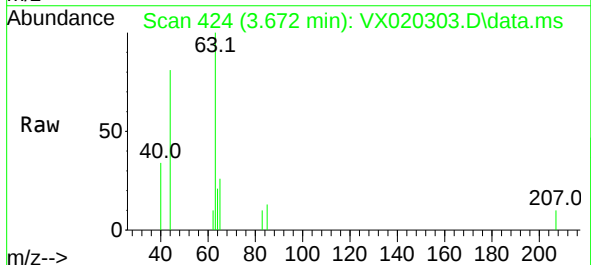
Instrument :
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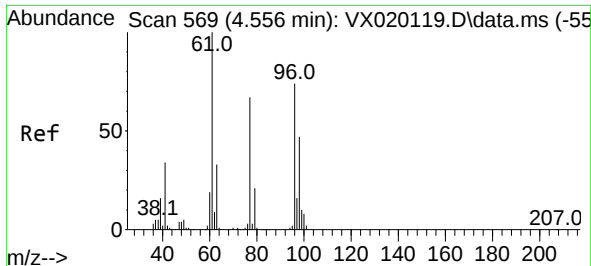
Tgt Ion:	84	Resp:	1106
Ion	Ratio	Lower	Upper
84	100		
49	120.3	88.6	132.8
51	37.2	27.0	40.6
86	75.3	50.3	75.5



#24
1,1-Dichloroethane
Concen: 0.23 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion:	63	Resp:	1480
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.5	7.5#

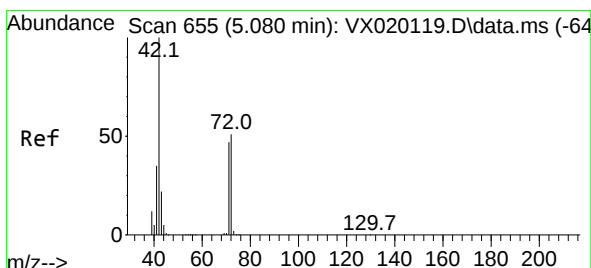
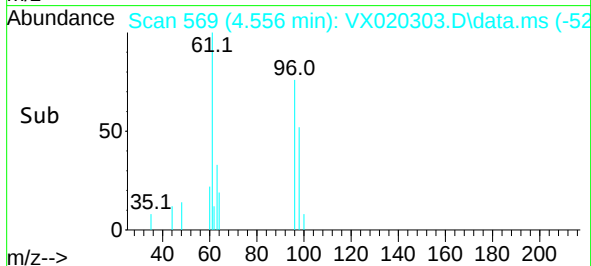
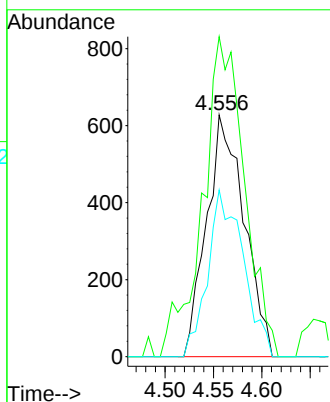
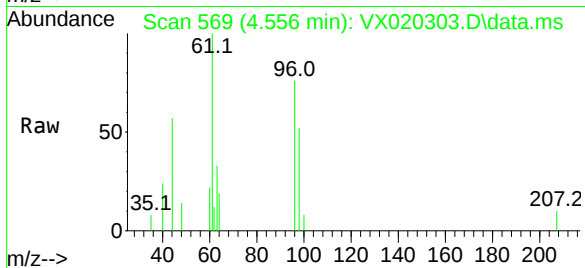




#27
 cis-1,2-Dichloroethene
 Concen: 0.41 ug/l
 RT: 4.556 min Scan# 569
 Delta R.T. -0.000 min
 Lab File: VX020303.D
 Acq: 22 Dec 2020 15:06

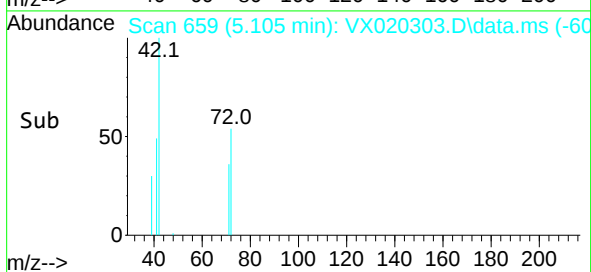
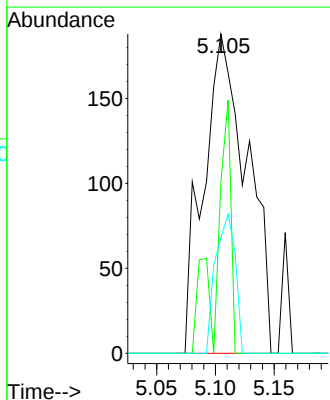
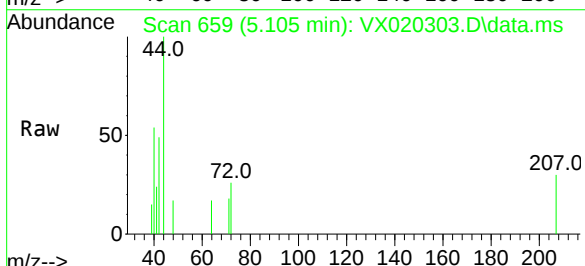
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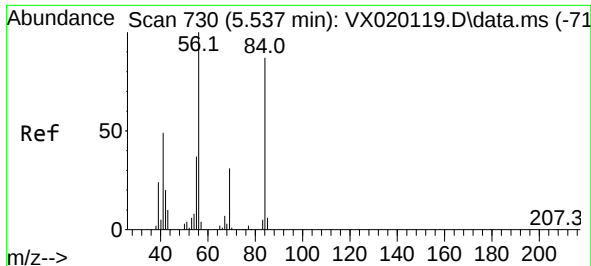
Tgt Ion: 96	Resp: 1693		
Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	285.6
98	64.9	0.0	129.6



#29
 Tetrahydrofuran
 Concen: 0.29 ug/l
 RT: 5.105 min Scan# 659
 Delta R.T. 0.025 min
 Lab File: VX020303.D
 Acq: 22 Dec 2020 15:06

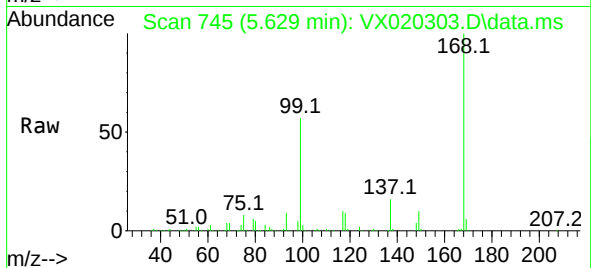
Tgt Ion: 42	Resp: 488
Ion Ratio	Lower Upper
42 100	
72 27.0	41.7 62.5#
71 19.5	38.4 57.6#



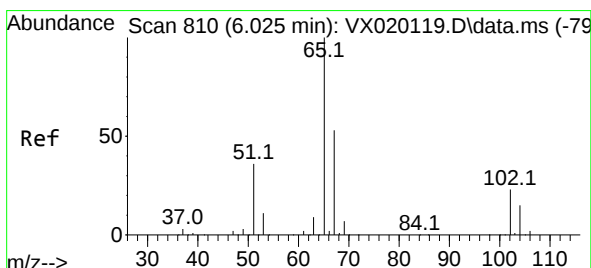
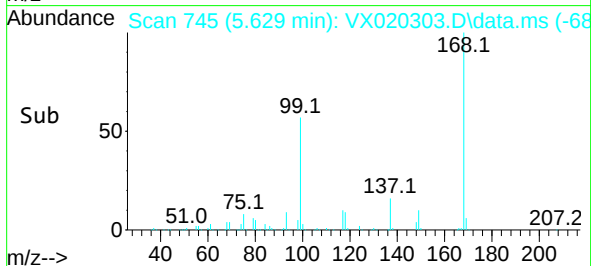
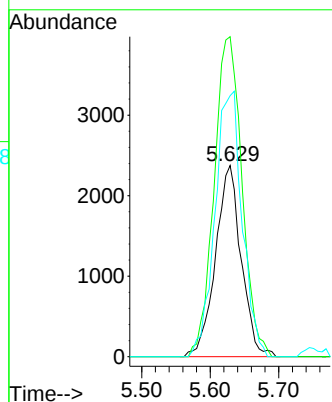


#31
Cyclohexane
Concen: 1.12 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211DL

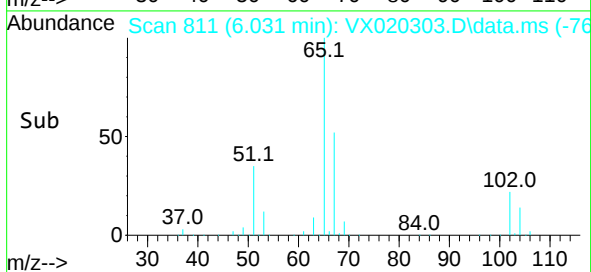
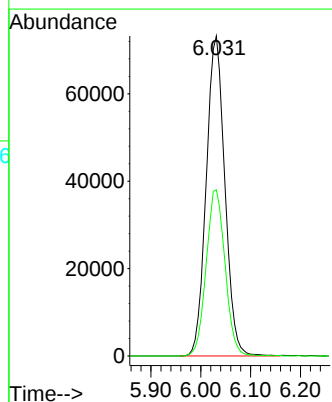
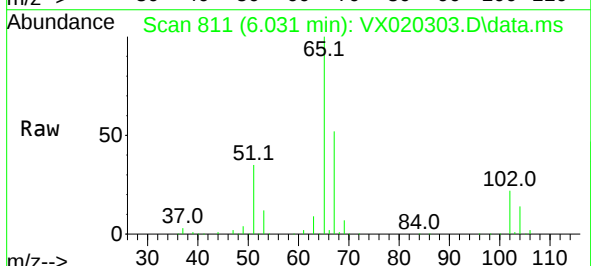


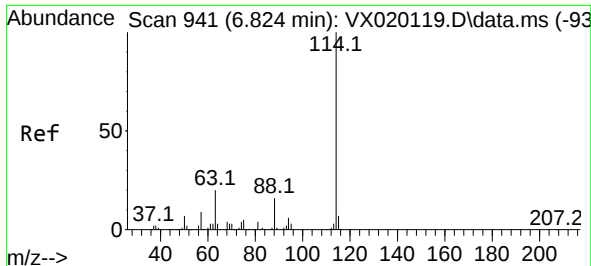
Tgt Ion: 56 Resp: 6168
Ion Ratio Lower Upper
56 100
69 167.3 25.3 37.9#
84 136.4 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 47.41 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

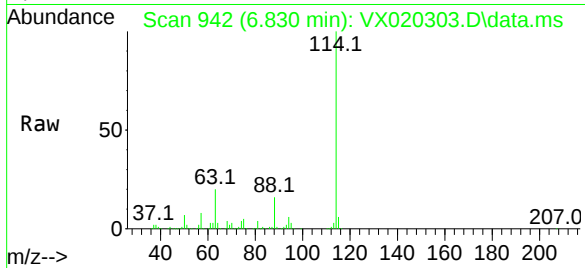
Tgt Ion: 65 Resp: 189896
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.4



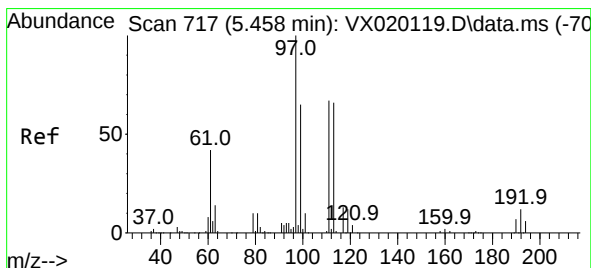
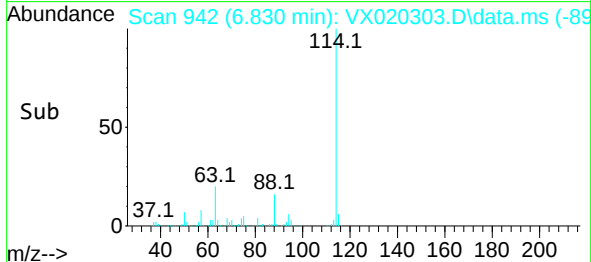
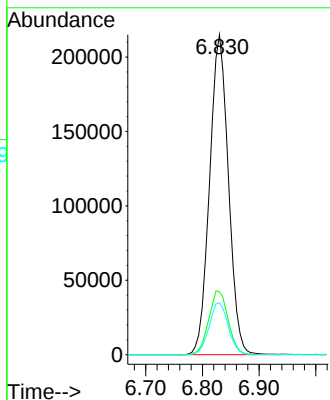


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211DL

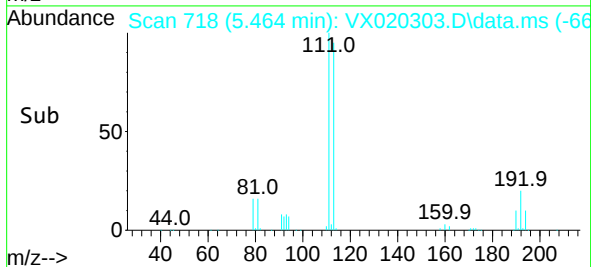
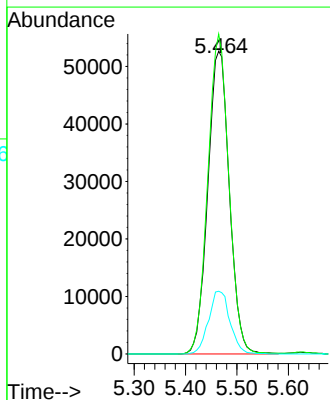
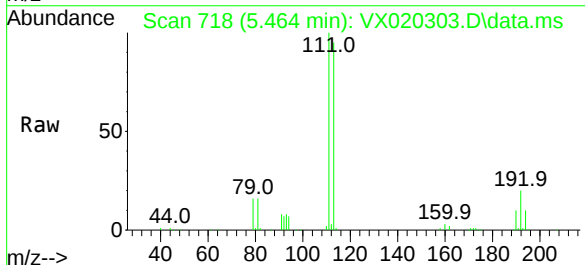


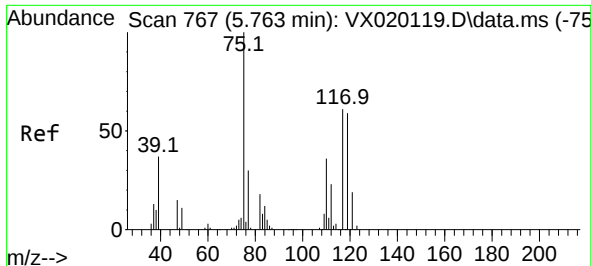
Tgt Ion:114 Resp: 496025
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.26 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion:113 Resp: 153127
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.6 16.7 25.1

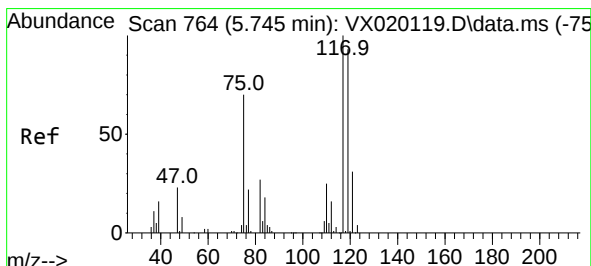
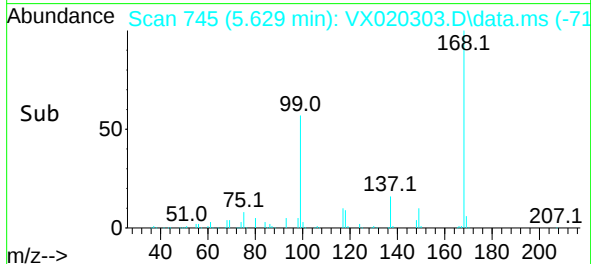
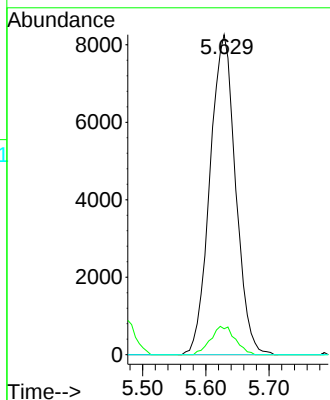
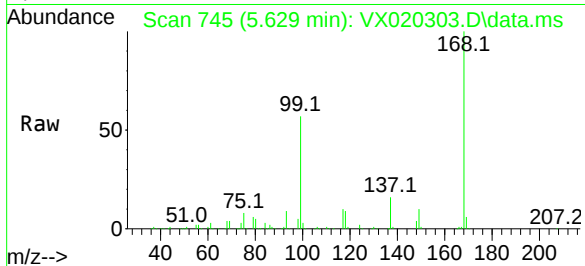




#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

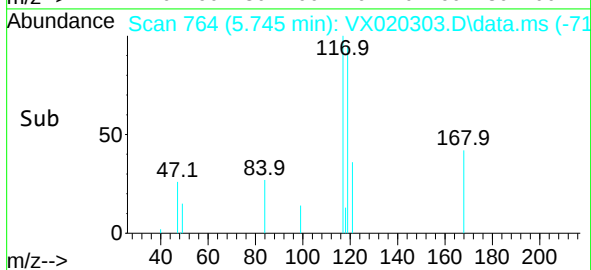
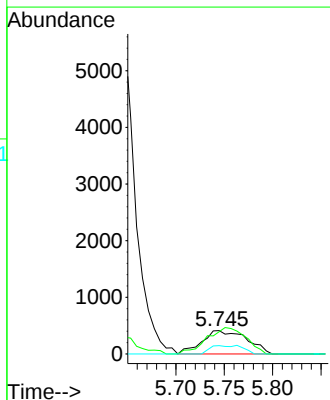
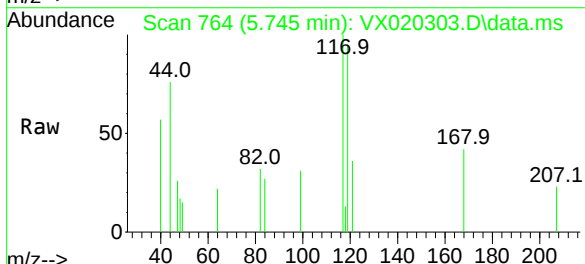
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211DL

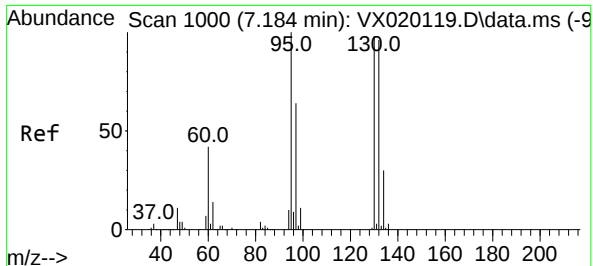
Tgt Ion:	75	Resp:	23246
Ion Ratio	Lower	Upper	
75	100		
110	8.5	18.1	54.4#
77	0.0	25.3	37.9#



#38
Carbon Tetrachloride
Concen: 0.29 ug/l
RT: 5.745 min Scan# 764
Delta R.T. -0.000 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion:	117	Resp:	1331
Ion Ratio	Lower	Upper	
117	100		
119	95.1	76.2	114.2
121	35.8	24.8	37.2

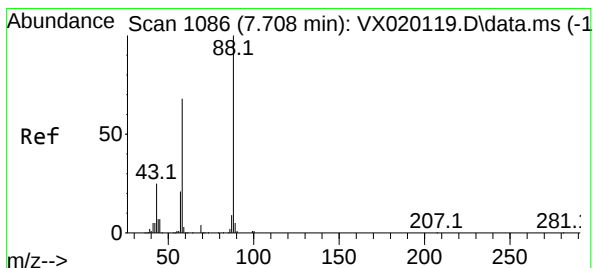
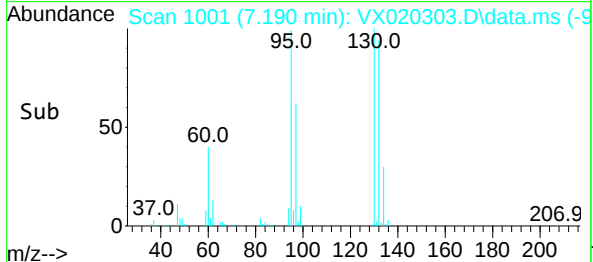
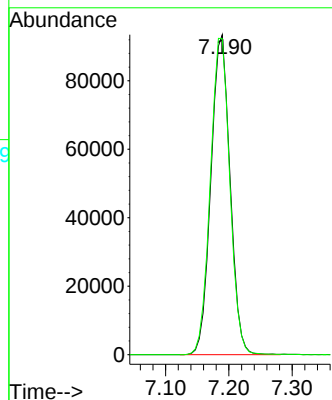
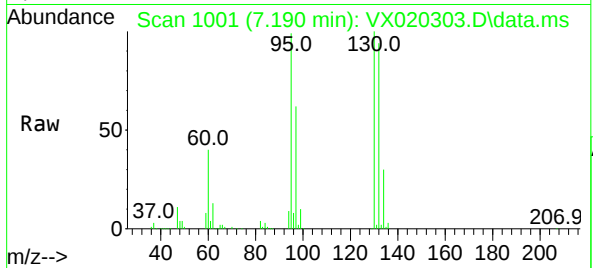




#44
Trichloroethene
Concen: 49.69 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

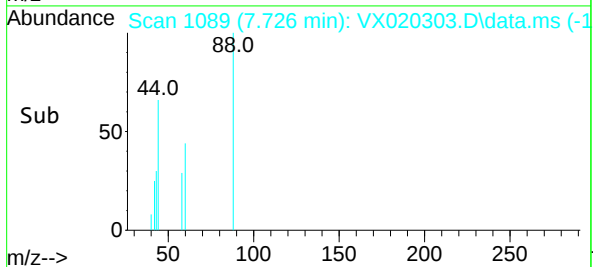
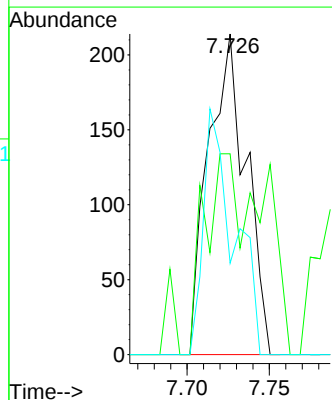
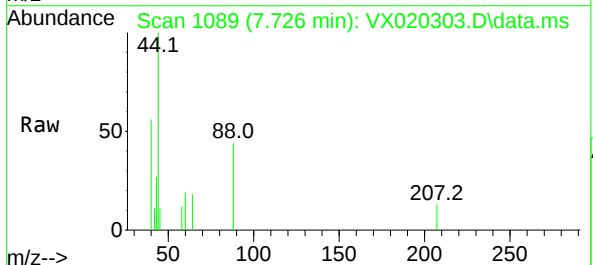
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211DL

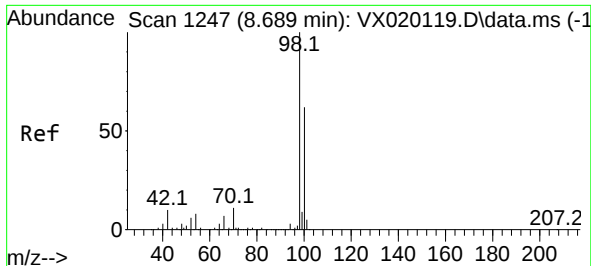
Tgt Ion:130 Resp: 195996
Ion Ratio Lower Upper
130 100
95 98.8 0.0 198.0



#49
1,4-Dioxane
Concen: 3.70 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.018 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion: 88 Resp: 341
Ion Ratio Lower Upper
88 100
43 55.7 23.2 34.8#
58 61.6 55.0 82.4

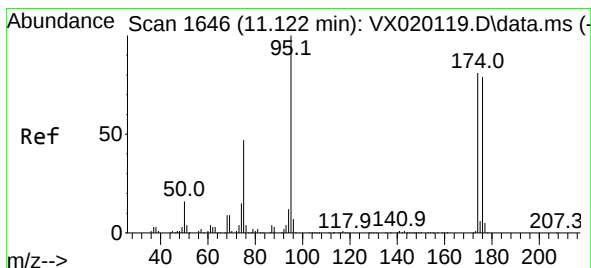
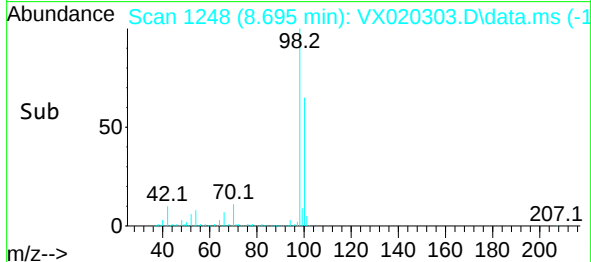
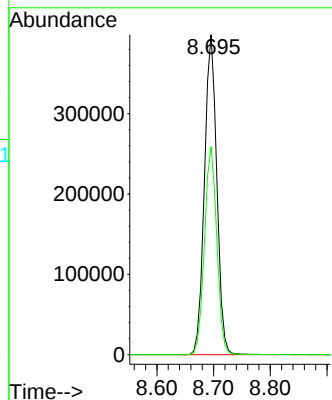
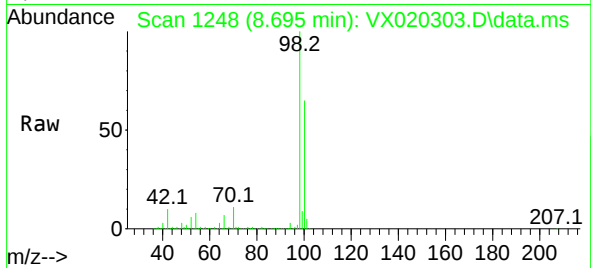




#50
Toluene-d8
Concen: 49.31 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

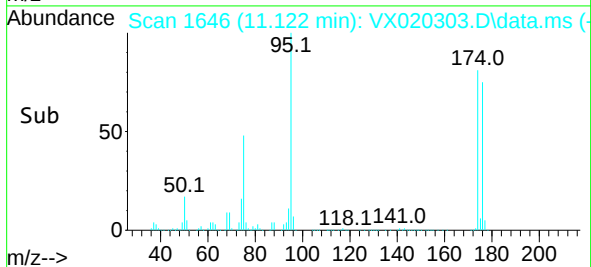
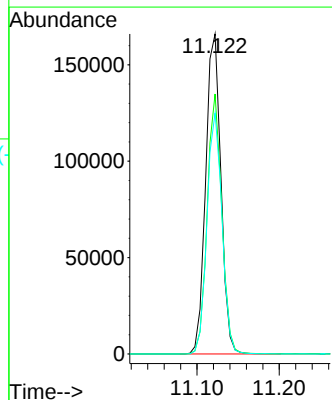
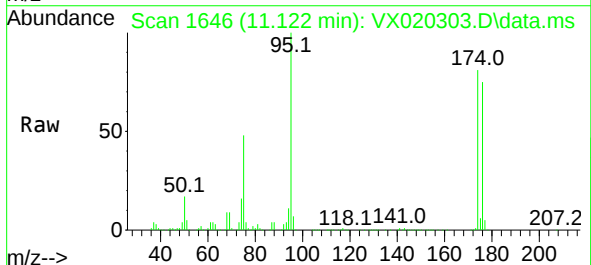
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211DL

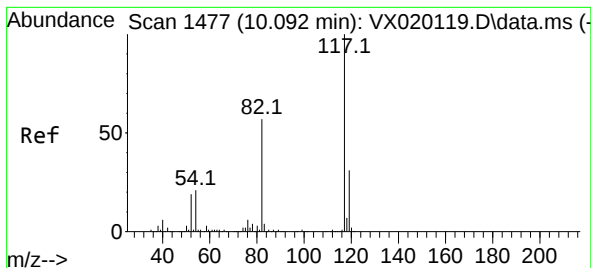
Tgt Ion: 98 Resp: 602227
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.66 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion: 95 Resp: 213426
Ion Ratio Lower Upper
95 100
174 77.9 0.0 154.6
176 74.3 0.0 155.8

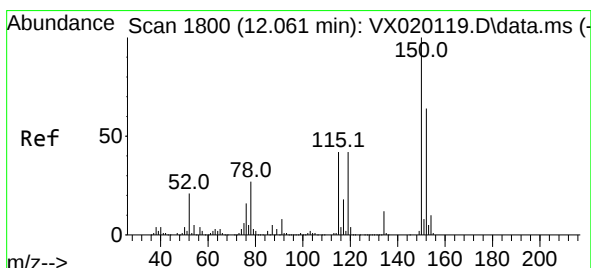
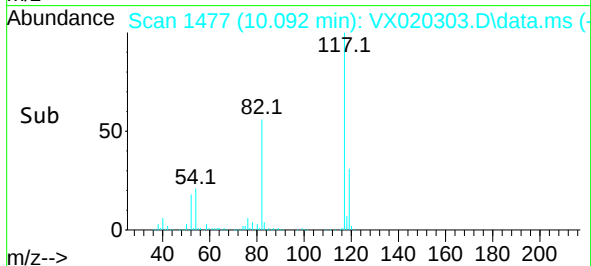
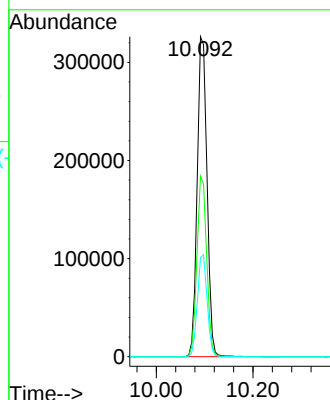
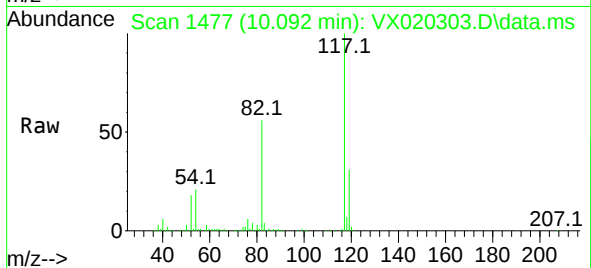




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.001 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

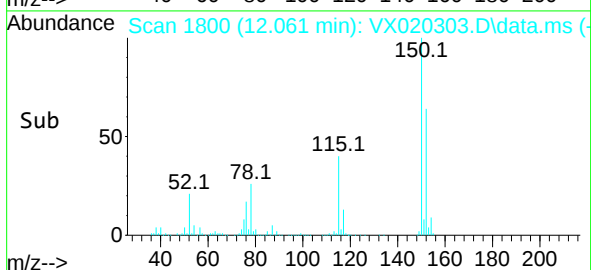
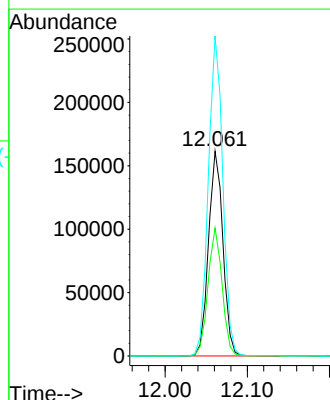
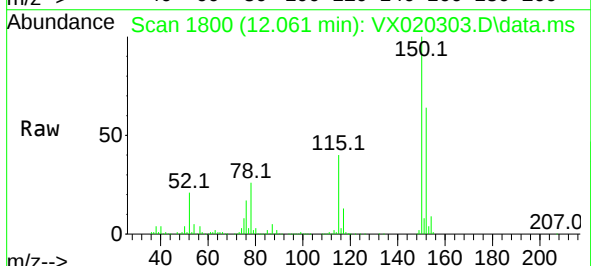
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211DL

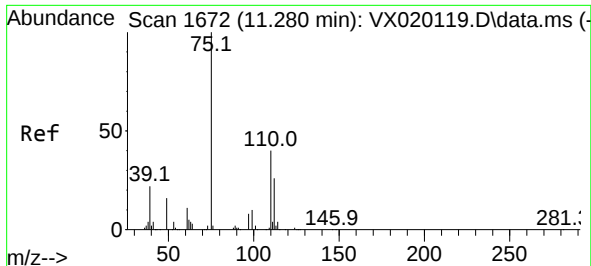
Tgt Ion:117 Resp: 458868
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion:152 Resp: 196997
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 156.5 0.0 349.0

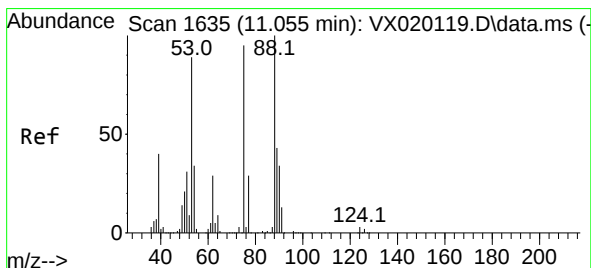
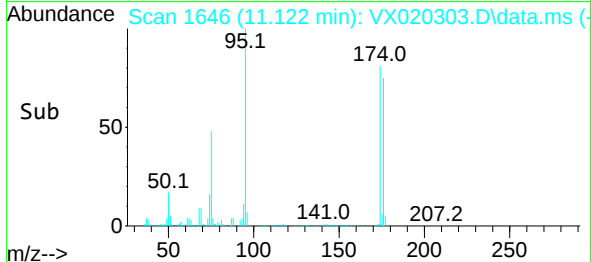
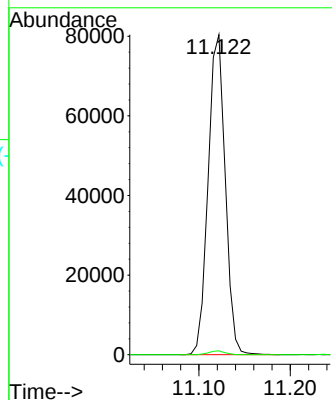
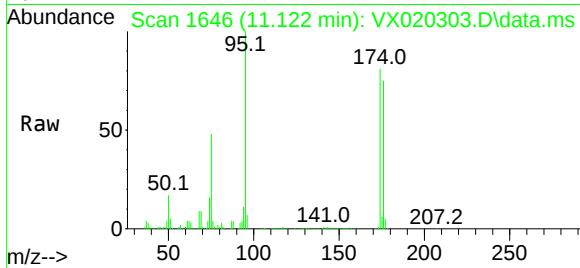




#76
1,2,3-Trichloropropane
Concen: 21.45 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

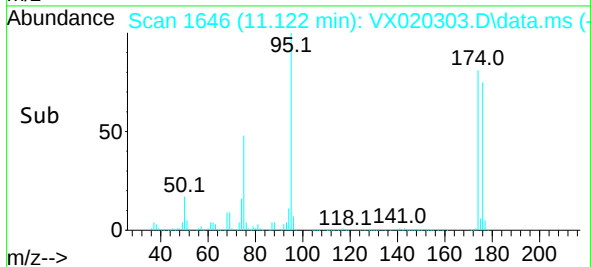
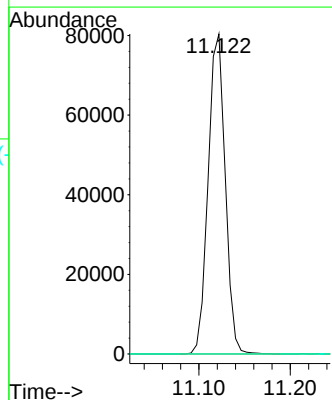
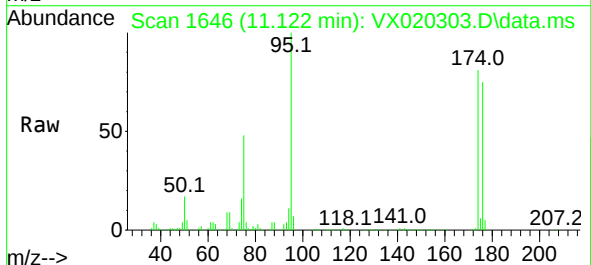
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211DL

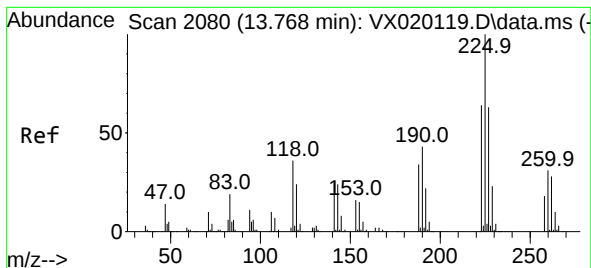
Tgt Ion: 75 Resp: 104095
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.64 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020303.D
Acq: 22 Dec 2020 15:06

Tgt Ion: 75 Resp: 104095
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#94

Hexachlorobutadiene

Concen: 2.66 ug/l

RT: 13.768 min Scan# 2080

Delta R.T. -0.000 min

Lab File: VX020303.D

Acq: 22 Dec 2020 15:06

Tgt Ion:225 Resp: 40

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.2#

227 0.0 31.6 95.0#

